

### **4.9.3**

**Applicable User Manual: v4.9.3**

**Modifications:**

- A new atmosphere model is available. This is a user defined model where the atomic oxygen density and the temperature are constant and set by the user.
- Fixed bug when adding reversed shapes to groups
- Fixed a bug to avoid NaN values of equivalent angle when the shape is perpendicular to the velocity

### **4.9.2P1**

**Applicable User Manual: v4.9.2P1**

**Modifications:**

- Computation of equivalent angle fixed
- Computations fixed for all negative sides when thermal velocity option is ON
- Wind velocity taken into account in the right direction
- Fixed unit of reaction rate (cm<sup>3</sup>/atom), expect a factor 10000 on the erosion in existing computation
- Allow the definition of groups in the meshing
- Provide the max values instead of the mean ones in the output file (atx.out)

### **4.9.2**

**Applicable User Manual: v4.9.1**

**Minor features:**

- Computation of the average velocity fixed

### **4.9.1**

**Applicable User Manual: v4.9.1**

**Major features:**

- Atomox V3.2.32 migration to V4.9.1